

**Solar Radiation Research Laboratory (SRRL) Baseline Measurement System (BMS)**  
**39.74 N Latitude 105.18 W Longitude 1829 Meters AMSL Time Zone -7**

**January 1992**

**Dry Bulb Temperature (Roof)**  
**Hourly and Daily Averages**  
**Instrument: CSI 207**  
**Degrees Celsius**

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	Daily
1	*	*	*	*	*	-4.6*	-5.7	-4.4	-3.3	-1	2.8	3.2	3.3	4.3	4.2	2.6	0.1	-0.1	1.6	1.9	3.5	2.6	2.8	3.4	0.9*
2	3.3	6.7	3.7	4.6	4.9	6.1	5.1?	7.6	7.1	7.6	8.9	8.7	11.8	8.8	11.3	10.7	10	8.8	8.5	6.6	8.4	7	9.2	8.1	7.6
3	3.9	7.4	6.4	5.1	4.9	5.4	6.9	6.5	6.4	8.1*	5.6	6.6	6.1	5.5	5.6	4.5	1.5	0.1	-1.4	0	-0.3	-1	-1.1	-1.3	3.8
4	-1.3	-1.4	-2.7	-4.1	-4.5	-4.6	-3.4	0.9	3.4	6.1	6.1	6.9	7.1	6.5	6.9	6.5	3.2	6.1	4.4	3.6	3.9	3.9	4.5	4.2	2.6
5	4	1.6	-0.4	-0.4	-0.7	-1.5	-0.4	-0.2	1.6	6.3	7.1	8.9	9.8	10	6.8	8.3	4.7	2.8	1.7	1	0.5	0.2	0.2	-0.1	3
6	-0.1	-1.2	-1.1	-1	-3	-2.9	-1.7	-0.9	0.9	5.3	6.5	7.6	5.9	7.7	5.5	6.7	3.4	1.3	0.7	-0.2	0.3	-0.1	1.2	1	1.7
7	0.3	0.9	-0.7	-0.6	-1.5	-1.2	-0.2	-0.6	0.4	0.8	0.3	-0.2	-0.4	-1	-0.9?	-2.3	-5.3	-3.8	-5.5	-5.4	-5.5	-5.3	-5.6	-5.6	-2
8	-5.8	-6.1	-6.7	-6.3	-6	-5.3	-4.9	-4.6	-4.1	-1.1	2.1	0.3	1.3	1.1	0.5	0.5	-3.2	-4.5	-1.8	0	2.9	-2.6	-5.1	-6.5	-2.7
9	-6.4	-4.5	-0.2	0	-0.4	-2.2	-1.4?	-0.9	-1.1	1.8	4.5	5.6	5.2	5	3.9	1.9	-1.3	0.6	2.1	2.6	3.6	1.9	-0.3	-0.1	0.8
10	1.1	2.4	3.3	4.4	4.4?	4.3	4.3	3.3	6	9.2	3.9	11.9	13	14.4	14.9	14.2	10.1	4.7	9.1	7.1	9.5	8.4	6.4	7.2*	7.4
11	7.6	7.1	6.4	5.8	7.2	7	6.8	8.7	7.7	9.4	13.5	13.7	10.1	11.3	8.3	4.2	4.1	2.7	5.2	3.4	2.8	1.6	0.8	0.4	6.5
12	-0.5	-2.5	-2.3	-2.8	-3.4	-3.2	-3.6	-3.6	-4	-2.5	-3.6	-3.6	-4	-4.9	-4.3	-4.9	-5.3	-5.7	-5.6	-5.9	-6.4	-7.5	-7.2	-7.2	-4.4
13	-7.6	-8.8	-7.7	-9.3	-9.3	-4.7	-6.3	-5.8?	-4.3	-3.1	-1.7	-1.6	-2	-1.5	0.2	-5.5	-5.1	-6.3	-6.4	-7.3	-6.4	-7.5	-7.4	-7.6*	-5.5
14	-8	-8.8	-8.6	-6.2	-5.6	-4.5	-1.8	-2.5	-1.6	-0.4	1.3	3.2	0	0.4?	2.5	-0.9	-1.5	-3.7	-4.4	-7	-8.4	-12	-13.3	-13.5	-4.4
15	-14.2	-14.8	-15.9	-17.9	-18.5	-19.2	-18.9?	-17.6	-14.5	-12.1	-4.7	-1.7	0	3.3	3.8	-1.2	-3	0.4	1.8	2.8	4.1*	4.6	5.1*	5.4	-6
16	7.1	6.6	3.8	4.8	3.1	3.8	3.6	4.6	5.5	6.8	7.1*	7.9	5.5	8.4	10.3	7.8	7.4	7.9	7.4	7	3.8	-1.9	-1.4	-4	5.1
17	-3.7	-3.8	-4.3	-4.7	-4.9	-5.4	-5.9	-5.5	-5.8	-4.7	-4.2	-3.5	-3.2	-3.6	-4	-4.7	-6.4	-6.9	-7.3	-7.5	-6.5	-8	-6.6	-6.1	-5.3
18	-6.5	-6.3	-6.2	-6.3	-6.8	-6.9	-7.9	-8.6	-7.4	-4.9	-0.5	1.7	2.5	0.9	1.3	-0.2	-2.6	-5.2	-6	-5.6	-6	-7	-4.2	-2.5	-4.2
19	-2.7	-1.2	1.1	-1.1	-0.9	-0.9	1.1	-0.1	3.2	6.7	9.3	5.9	10.2	13.7	12.1	10.2	8.2	7	6.5	0.4*	3.9	6.4	5.1	3.6	4.5
20	2.7	2.4	2.2	1	2.6	2.6	2.3	2.6	4.6	8.8	6.8	8.1	4.8	8.3	7.8	7.1	4.5	2.9	2.6	2.7	3.3	2.5	2.2	3.5	4.1
21	4.7	4.6	5.5	2.4	5.3	6.2	5.3	5.5	5.5	6.2	11	11.8	13.4	12.8	11.4	6.7	4.3	1.4	4	4.9	4.7	5.2	4.2	3.5*	6.3
22	4.7?	1.3?	-0.2	-0.5	-2.3	-2?	-1.9	-1.6	-1.1?	-0.5	1.9	2.3	2.9	2.4	3.3	3.2*	1.1	2.3	-0.4	-0.4	-0.5	-0.9	-0.7	-0.9	0.5?
23	-0.8	-1.8	-0.4	-0.4*	0.1?	-0.4?	-0.4	-0.3*	1*	2.3	4.6	9.4	6.3	7.4	7.2	6.3?	8.3	6.2	5.8	5.2	3.3	4.8	8.1	5.6	3.6*
24	4.9?	3.7	3.4	3.3	5.2	4.2	5.1	5.2	7.4	7.7	7.4	11.1	12.2	14.4	11	14.4	15.1	7.3	8.7	6.3	7.5	6.1	8.3	3.4*	7.6
25	7.7	6.8	6.5	6.9	6	6.1	4	-0.6	3.8	3.8	6.1	3.5	5.6	7.1	7.1	7.8	5.9	1.9	0.9	1.4	2.8	3.2	6.7	4.9	4.8
26	5	3.5	6.6	5.8	6.6	3.5	5.4	7.6	7.1	7.8	8.9	9.7	10.7	11.3	11.7	7.7	7.1	3	1.5	0.6	1.9	-0.3	-0.3	-0.3	5.5
27	-0.8	-1.1	-1?	-1.3	-1.2	-1.3	-1.8	-1.2	0.3	4	5.7	6.8	6.7	6.9	7	6.3	4.5	2.3	1	1.9	4.7	5.4	5.1	4.6	2.7
28	4.7	5.1	6.6	7.2	8	7.1?	7.6	7.9	3.1	12.6	12.7	14	15.4	16.7	12.5	14.3	15.1	9.9	8.7	9.1	9.7	8.1	7.9	6.2	9.6
29	6.4	5.8	5	4.3	3.9	3.5	3.6	4.4	6.3	9.1	5.8	11.2	13.2	12.9	10.6	11.9	8.3	4.8	3.9	4.4	7	4.5?	4.8	4.8	6.7
30	4	2.2	2	2.5	3.1	5.1	7.2	8.1	10.2	11	11.5	10.7	12	13.5	14.7	14.8	13.6	9.8	10.7	10.7	5.8	8.1	10	10.8	8.8
31	10.3	11	7.5	4	2.9	7.8	11	8.5	11.4	15	16.6	16.6	18.3	16.6	16.8	18	17.2	12	9.4	7.1	9.1	4.4	8.8	8.3	11.2
Avg	0.8	0.6	0.4	0	0	0.1	0.4	0.7	1.8	4.1	5.3	6.3	6.6	7.1	6.8	5.7	4	2.3	2.2	1.7	2.2	1.1	1.6	1.1	2.6
S D	5.7	5.8	5.5	5.5	5.8	5.8	6	5.9	5.7	5.9	5.2	5.3	5.7	5.9	5.4	6.2	6.5	5.1	5.2	4.9	5.1	5.4	5.9	5.6	5
S/A	7.1	10.24	14.37	-247	-218	90	14.47	8.08	3.16	1.45	0.98	0.84	0.87	0.84	0.8	1.09	1.62	2.28	2.39	2.96	2.36	4.84	3.76	5.23	1.92
Min	-14.2	-14.8	-15.9	-17.9	-18.5	-19.2	-18.9	-17.6	-14.5	-12.1	-4.7	-3.6	-4	-4.9	-4.3	-5.5	-6.4	-6.9	-7.3	-7.5	-8.4	-12	-13.3	-13.5	-6
Max	10.3	11	7.5	7.2	8	7.8	11	8.7	11.4	15	16.6	16.6	18.3	16.7	16.8	18	17.2	12	10.7	10.7	9.7	8.4	10	10.8	11.2
n	346	343	339	340	334	338	344	352	357	350	357	361	358	357	354	356	362	356	360	355	355	357	353	324	7955

Data Recovery: 3.5% missing; 2.3% failed QC -- 8928 total measurements.

Instrument: CSI 207    Serial Number: E13601    Calibration Factor: 1.00    Calibration Date: 03/1988

Data & Flag	Hour Column	Day Column
<value> *	> 20% Missing	> 10% Missing
<value> ?	> 20% Fail QC	> 10% Fail QC
<blank> *	> 90% Missing	> 90% Missing
<blank> ?	> 90% Fail QC	> 90% Fail QC

Note: Daily values with a missing flag (\*) are not used in monthly statistics.

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